LISTING OF CLAIMS

1-96. **(Canceled)**

97. **(Previously presented)** A method for decreasing neuronal cell death associated with a neuropathy, comprising contacting a neuronal cell at risk of such cell death with a morphogen comprising a dimeric protein, the dimeric protein having one or more of the following:

(1) a conserved C-terminal six-cysteine skeleton 60% identical to residues 43-139 of SEQ ID NO: 5;

(2) a conserved C-terminal seven-cysteine skeleton 70% homologous to residues 38-139 of SEQ ID NO: 5;

(3) a conserved C-terminal six-cysteine skeleton 70% homologous to residues 43-139 of SEQ ID NO: 5; or

(4) an amino acid sequence of human OP-1, mouse OP-1, human OP-2, mouse OP-2, 60A, GDF-1, BMP2A, BMP2B, DPP, Vg1, Vgr-1, BMP3, BMP5, or BMP6; and

wherein the morphogen (i) stimulates the production of an N-CAM or L1 isoform in said neuronal cell, and (ii) decreases neuronal cell death associated with a neuropathy.

98. **(Canceled)**

99. **(Previously presented)** A method for decreasing neuronal cell death associated with a chemical or physical injury, comprising contacting a neuronal cell at risk of such cell death with a morphogen comprising a dimeric protein with:

(1) a conserved C-terminal six-cysteine skeleton 60% identical to residues 43-139 of SEQ ID NO: 5;

(2) a conserved C-terminal seven-cysteine skeleton 70% homologous to residues 38-139 of SEQ ID NO: 5;

(3) a conserved C-terminal six-cysteine skeleton 70% homologous to residues 43-139 of SEQ ID NO: 5; or

(4) an amino acid sequence of human OP-1, mouse OP-1, human OP-2, mouse OP-2, 60A, GDF-1, BMP2A, BMP2B, DPP, Vg1, Vgr-1, BMP3, BMP5, or BMP6; and

wherein the morphogen (i) stimulates the production of an N-CAM or L1 isoform in said neuronal cell, and (ii) decreases neuronal cell death associated with a chemical or physical injury.

100-104.**(Canceled)**

105. **(Previously presented)** The method of claim 97 or 99, wherein the morphogen is human OP-1.

106. **(Previously presented)** The method of claim 97 or 99, wherein the morphogen is mouse OP-1.

107. **(Previously presented)** The method of claim 97 or 99, wherein the morphogen is human OP-1, mouse OP-1, human OP-2, mouse OP-2, 60A, BMP2A, BMP2B, Vg1, Vgr-1, BMP5, or BMP6.

108. **(Previously presented)** The method of claim 97 or 99, wherein the morphogen is human OP-1, mouse OP-1, human OP-2, mouse OP-2, BMP5, or BMP6.

109. **(Previously presented)** The method of claim 97 or 99, wherein the morphogen is a dimeric protein having a conserved C-terminal six-cysteine skeleton 60% identical to residues 43-139 of SEQ ID NO: 5.

110. **(Previously presented)** The method of claim 97 or 99, wherein the morphogen is a dimeric protein having a conserved C-terminal seven-cysteine skeleton 70% homologous to residues 38-139 of SEQ ID NO: 5.

111. **(Previously presented)** The method of claim 97 or 99, wherein the morphogen is a dimeric protein having a conserved C-terminal six-cysteine skeleton 70% homologous to residues 43-139 of SEQ ID NO: 5.